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(54) Title: COX-2 SELECTIVE CARPROFEN FOR TREATING PAIN AND INFLAMMATION IN DOGS

(57) Abstract

Treating or preventing inflammatory processes and diseases in dogs associated with the activity of inducible cyclo-oxygenase-2 (COX-2), while at the same time reducing or eliminating undesirable side effects associated with simultaneous inhibition of the activity of constitutive cyclo-oxygenase-1 (COX-1) by selectively inhibiting COX-2 activity with reference to COX-1 activity, wherein the selectivity ratio or COX-2 : COX-1 activity inhibition is at least 3 : 1 based on *ex vivo* inhibition levels measured in whole blood; the inhibitor is a member selected from the group of anti-inflammatory compounds consisting essentially of salicylic acid derivatives, *p*-aminophenol derivatives, indole and indene acetic acids, heteroaryl acetic acids, arylpropionic acids, anthranilic acids, enolic acids, and alkanones; the inhibitor in particular is comprised of (+)(*S*)-enantiomer of 6-chloro-α-methyl-9*H*-carbazole-2-acetic acid.